

Claims

[c1] What is claimed is:

1. An optical seal comparator, comprising: a) a splitter mirror, which making partial penetration and reflection of image; b) a mirror, which making total reflection of image; c) a first light source, which illuminates first pattern for first image; and e) a second light source, which illuminates second pattern for second image.

[c2] 2. An optical seal comparator in accordance with claim 1, wherein said first image goes to splitter mirror, is the same as the optical distance of second image goes to mirror, then being reflected to splitter mirror.

[c3] 3. An optical seal comparator in accordance with claim 1, wherein said first image goes through splitter mirror to mirror, then being reflected to splitter mirror, is the same as the optical distance of second image goes to splitter mirror.

[c4] 4. An optical seal comparator in accordance with claim 1, further comprising: a) a first lens which place between first pattern and splitter mirror; b) a second lens which place between second pattern and splitter mirror.

[c5] 5. An optical seal comparator in accordance with claim 4, wherein said first image goes through first lens, then to splitter mirror, is the same as the optical distance of second image goes through second lens, to mirror, then being reflected to splitter mirror.

[c6] 6. An optical seal comparator in accordance with claim 4, wherein said first image goes through first lens, splitter mirror, to mirror, then being reflected to splitter mirror, is the same as the optical distance of second image goes through second lens, then to splitter mirror.

[c7] 7. An optical seal comparator in accordance with claim 4, furthermore comprising a third lens, a fourth lens, and a fifth lens, wherein said first image goes through first lens, splitter mirror, third lens, to mirror, then being reflected back to third lens, then to splitter mirror, is the same as the optical distance of second image goes through second lens, fifth lens, fourth lens, then to splitter

mirror.

[c8] 8. An optical seal comparator in accordance with claim 1, further comprising a second mirror, wherein said first image goes to splitter mirror, then being reflected to mirror, then being reflected back to splitter mirror, is the same as the optical distance of second image goes to second mirror, then being reflected to splitter mirror.

[c9] 9. An optical seal comparator in accordance with claim 1, further comprising a first lens, a second lens and third lens, wherein said first image goes through first lens, to splitter mirror, then being reflected to mirror, then being reflected back to splitter mirror, then to third lens, is the same as the optical distance of second image goes through second lens, to second mirror, then being reflected to splitter mirror, then being reflected to third lens.

[c10] 10. An optical seal comparator in accordance with claim 1, further comprising a second splitter mirror and a second mirror, wherein said first image goes through first splitter mirror, to second splitter mirror, then being reflected to mirror, then being reflect back to second splitter mirror, then being reflected to splitter mirror, is the same as the optical distance of second image goes to second mirror, then being reflected from there goes through second splitter mirror, to mirror then being reflected back to second splitter mirror, then being reflect to splitter mirror.

[c11] 11. An optical seal comparator in accordance with claim 10, furthermore comprising a first lens, a second lens, and a third lens, wherein said first image goes through first lens, splitter mirror, to second splitter mirror, then being reflected from there goes through third lens, to mirror and then being reflect back to second splitter mirror, then being reflected to splitter mirror, is the same as the optical distance of second image goes through second lens, to second mirror, then being reflected from there goes through second splitter mirror, third lens, to mirror and being reflected back to second splitter mirror, then being reflect to splitter mirror.

[c12] 12. An optical seal comparator in accordance with claim 11, wherein said third

lens moves along the optic axis between mirror and second splitter mirror.

[c13] 13. An optical seal comparator in accordance with claim 1, further comprising:
a) a first liquid crystal panel with a polarizer, which place between first pattern and splitter mirror; b) a second liquid crystal panel and a polarizer, which place between second pattern and splitter mirror; c) an image display switching control unit, which having alternating electronic signal controlling on/off status of first liquid crystal panel and second liquid crystal panel alternatively

14. An optical seal comparator in accordance with claim 10, furthermore comprising: a) a first liquid crystal panel with a polarizer, which place between first pattern and first splitter mirror; b) a second liquid crystal panel and a polarizer, which place between second pattern and second splitter mirror; c) an image display switching control unit, which having alternating electronic signal controlling on/off status of first liquid crystal panel and second liquid crystal panel alternatively.

[c14] 15. An optical seal comparator in accordance with claim 1, further comprising an image display switching control unit which having alternating electronic signal controlling on/off status of first light source and second light source alternatively.